



**Issue
No.25**

The Official Publication of the
**NATIONAL LOCKSMITH
AUTOMOBILE ASSOCIATION™**

07.01

1999 Lexus RX300

by Michael Hyde & Alan Morgan



1. The 1999 Lexus RX300 has a High Security key with a transponder system. The code series is 40,000 to 50,000. This SUV is also equipped with front seat mounted Side Impact Airbags.

Key



2. The key is an internal 4-Track. There are three depths. The older Lexus keyway had five depths. The master key on the new system has a slight groove on each outside corner. A key without the groove is a Valet. The remote functions are built into the head of the key.

Here are the two best websites for Automotive Locksmiths:

www.TheNationalLocksmith.com

Chat, Forums, Editorial,
Online Store, Tech Support

www.Laserkey.com

Product & Technology Sales,
Transponder Information Resources



3. The ignition lock cylinder.



4. There is a trim cover on the front of the ignition lock. The cover snaps on and off.

**National Locksmith
Automobile Association™**

Publisher
Marc Goldberg

Director
Greg Mango

Printed in the U.S.A.
NLAA, a division of the National
Publishing Company
Publishers of
THE NATIONAL LOCKSMITH

1533 Burgundy Parkway
Streamwood, Illinois 60107
Phone 630-837-2044
Fax 630-837-1210

E-mail address:
natlock@aol.com

Unsolicited manuscripts are
accepted, but must include SASE.

©2001 National Publishing Co.
All rights reserved.

Issue No. 25



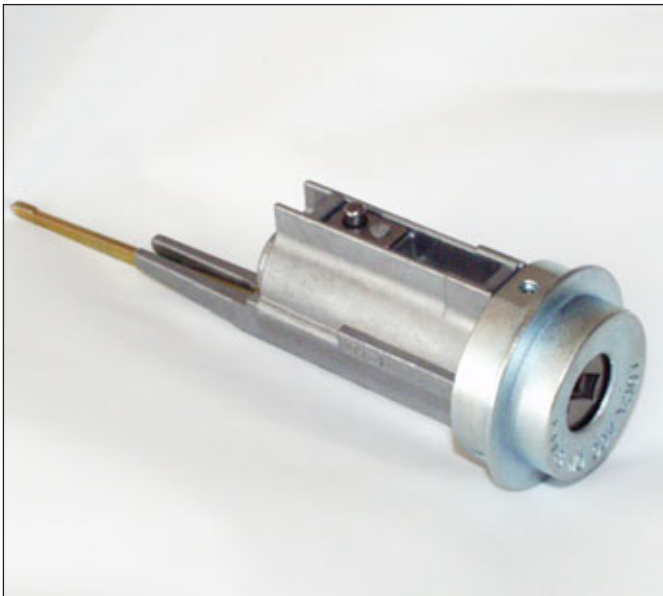
5. There is an illumination ring and transponder induction coil mounted on the front of the lock cylinder. Remove the Phillips head screw from the illumination ring and transponder induction coil and then move them to the side.



6. This is an active retainer ignition lock cylinder. The retainer is on the bottom of the ignition housing.



7. Insert a working key and turn to the first accessory position, press the retainer pull the lock cylinder out.



8. The ignition lock removed from the car. The step in disassembling this lock is to drill a small hole directly or at an angle to the top roll pin on the face cap and then remove the roll pin. This is the same type of roll pin that is found on other Lexus & Toyota models.



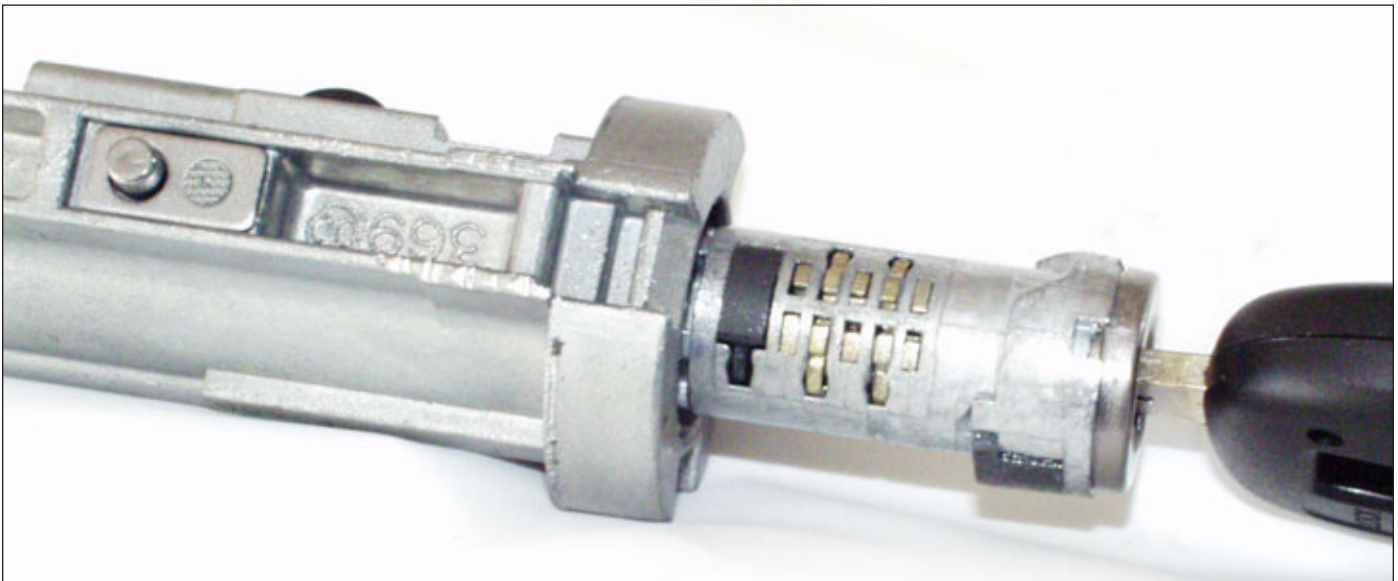
9. On each side of the face cap is another set of roll pins. They are easier to remove.



10. I grounded the tip on a small steel screwdriver to a long angle. I then tap the screwdriver tip into the backside of the side roll pins and twist the screwdriver tip around to force out the roll pin.



11. Don't forget to remove the tru-arc ring on the back of the plug.



12. Now that you have the face cap removed you can slide out the plug. Here is the most important thing in the whole article. Do not pull the plug out of the housing using the key, always push the cylinder plug out from the back. This is true with all Lexus ignition locks. What can happen is that when you try to pull the plug out with the key, the key can slip out slightly to the next space positioning and permanently bind the key, the cylinder plug and the housing all together.



13. The door lock cylinder is part of the outside door handle. The handle must be removed from the door to service the door lock cylinder.



14. To remove the outside door handle you must first remove the inside door panel.



15. There is a Phillips head screw located behind a trim cap on the trim for the inside door release that must be removed.

16. The rear portion of the trim snaps onto 2 posts, upper and lower, that must be removed. Use a small screwdriver or other object that will slide in place and lift the trim off the upper post and then do the same to the lower post.



17. On the rear edge of the panel are 2 plastic fasteners. To remove these fasteners, push into the center of the fastener about a quarter inch. Do not push it all the way through. Once the center is pushed in, the whole fastener can be pulled off the panel.



18. On the bottom of the door panel are more fasteners that must be removed. There are also Phillips head screws that must be removed.



19. The inside door armrest has a Phillips head screw that must be removed. It is located on the rear underside of the armrest.

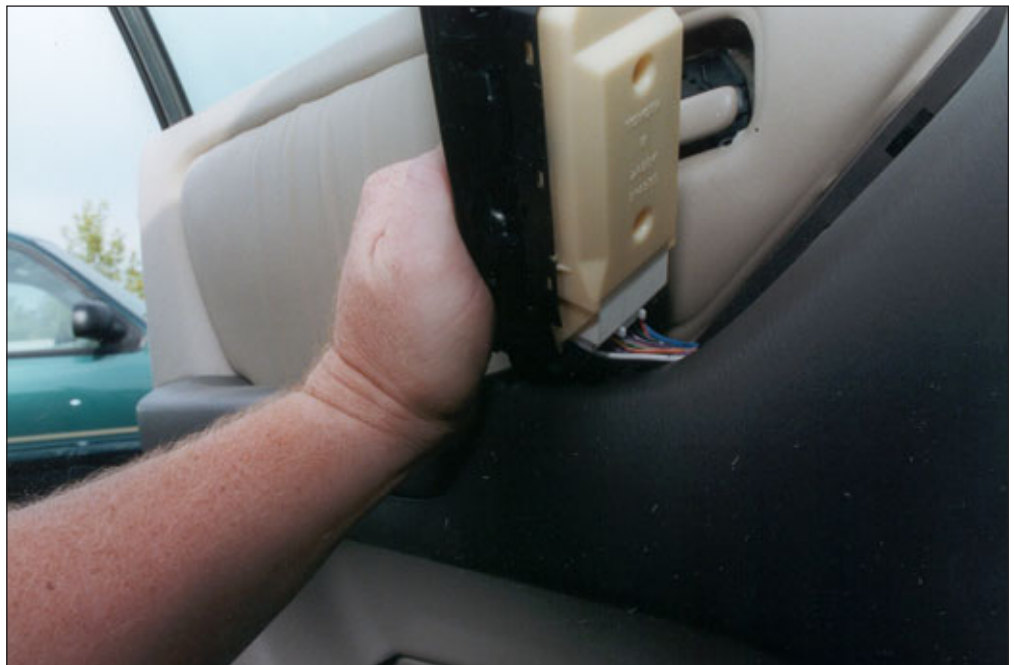


20. The next item to remove is the door controls. Lift it up from the front and work your way to the rear.

21. Here is a look at the front door control trim fastener. If you try and remove the rear section first, the plastic lever will snap off and break.



22. You must disconnect the electronics and then completely remove the door control unit.



2001 AutoSmart™
Full Version Price: \$95.00

2001 AutoSmart™
Update Price: \$45.00

All the new information on vehicles is here, current up to 2001. Don't hesitate and lose car jobs unnecessarily. Get your **2001 AutoSmart™** now and you'll be in the driver's seat for automotive locksmithing!

What's new for the 2001 book?

- FREE Mid-Year updates due out in Summer '01.
- Updated airbag info grid for EZ reference.
- All the latest transponder information.
- All new Strattec info: ignitions, door locks, trunk cylinders and more.
- All new ASP lock part info with EZ to read footnotes.
- Jet key applications now integrated throughout the keyblank charts.
- Gives you every new spec and method to make the first key.

**Now with FREE
Mid-Year
Updates!**

The Autosmart™ also contains...

- Manufacturer divider tabs for EZ reference.
- The most accurate keyblank application guide in the world.
- EZ to read and use
- Making the first key to almost all cars and trucks, even high security.
- Code locations, spacing and depths, tumbler charts.
- Data and specs for almost every car on the road, foreign and domestic.

**Buy it in the online store:
TheNationalLocksmith.com**

Yes!

☐ Send me a new

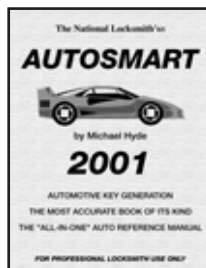
**2001
AutoSmart™**
(\$95) plus \$5 s/h.
Order total is **\$100.**

Yes!

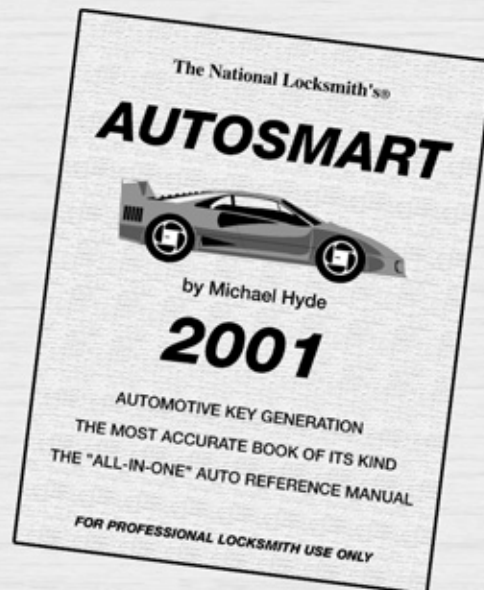
☐ Send me the

**2001
AutoSmart™ Update**
(\$45) plus \$5 s/h.
Order total is **\$50.**

* Updates the 1999-2000 AutoSmart
or the 2000 AutoSmart only.



2001 AutoSmart Is Here!



A Must For Every Locksmith!

Copy or clip this coupon and send with payment to:
The National Locksmith • P.O. Box 77-97592 • Chicago, IL 60678-7592

CHECK PAYMENT METHOD:

Charge My...
☐ Check
☐ VISA
☐ Discover

☐ Money Order
☐ MasterCard
☐ American Express

**Foreign &
Canada \$20 s/h**

Card # _____ Exp. Date _____

Signature (Required) _____

Your Name _____

Shop Name _____

Address (No P.O. Boxes) _____

City _____

State _____ Zip Code _____

Phone # (_____) _____

OID: 02/01

23. Under the rear section of the door control unit housing is a Phillips head screw that must be removed.

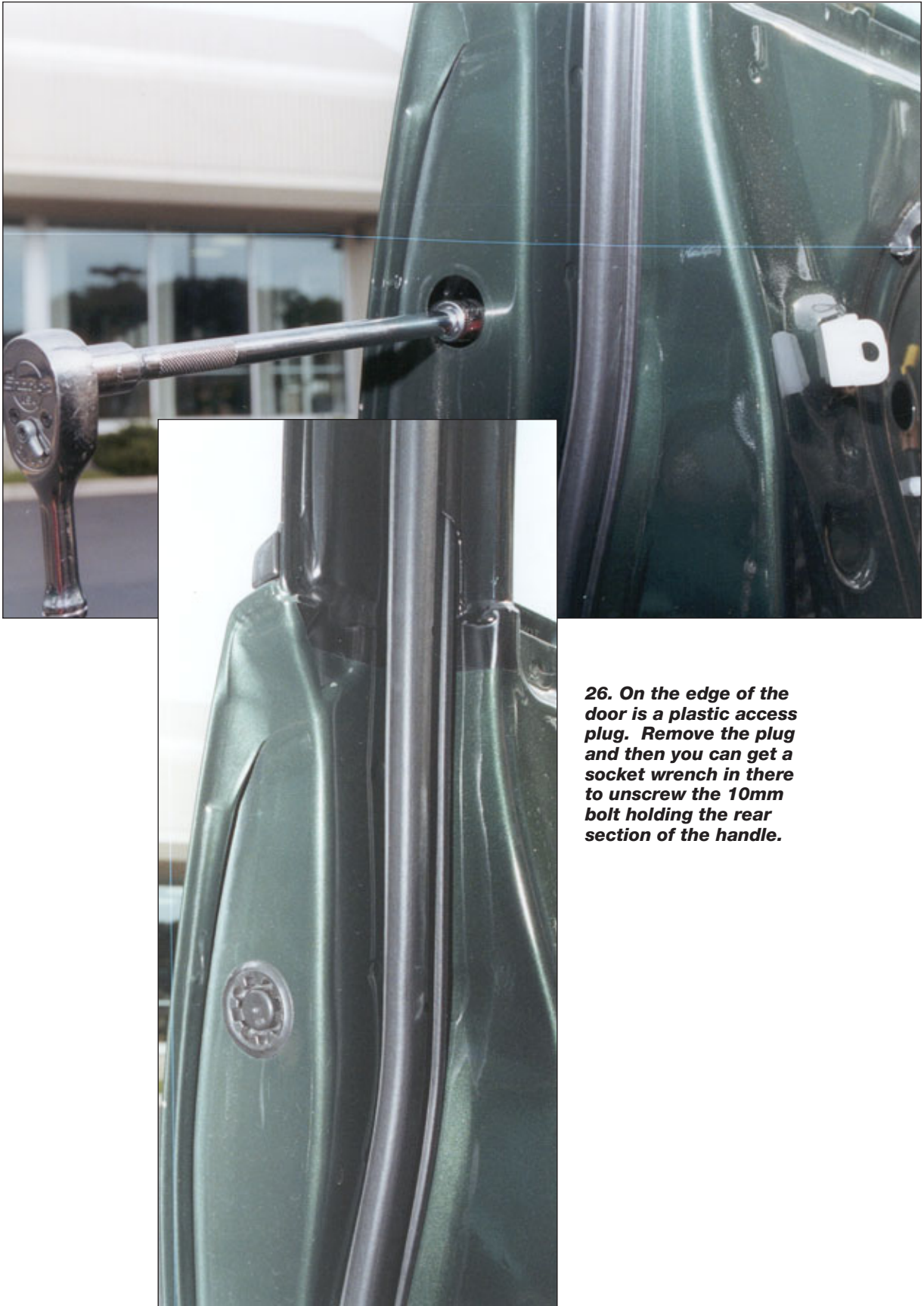


24. On the bottom of the door panel is the courtesy light. Disconnect the courtesy light from the door.

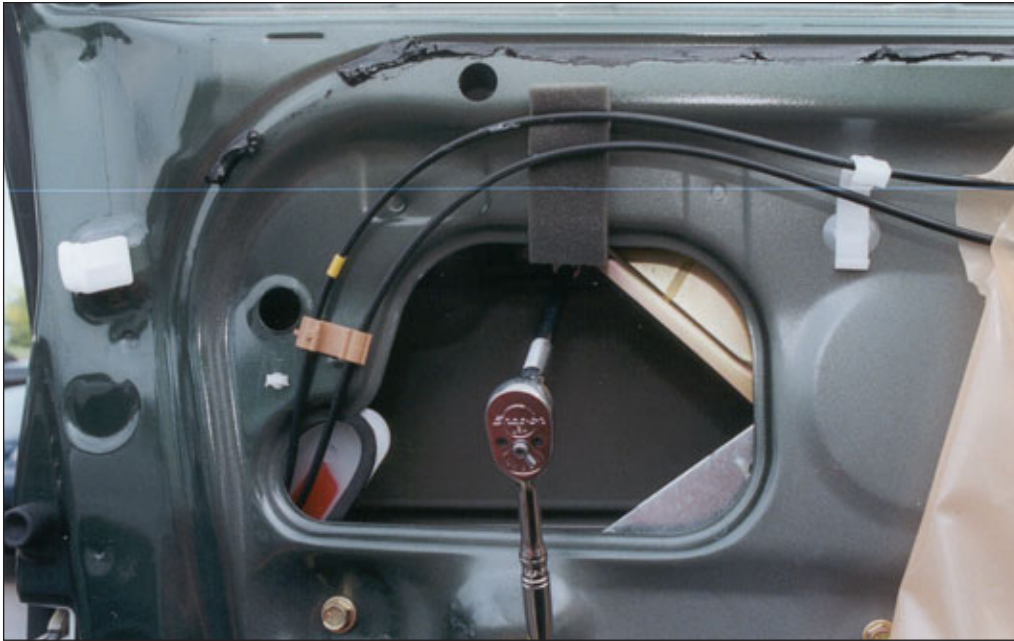




25. Once you have removed the door panel you will see the plastic door liner. The liner is actually there for a reason and not just to annoy us and get in our way. Take care and gently pull the liner out the way without ripping it.



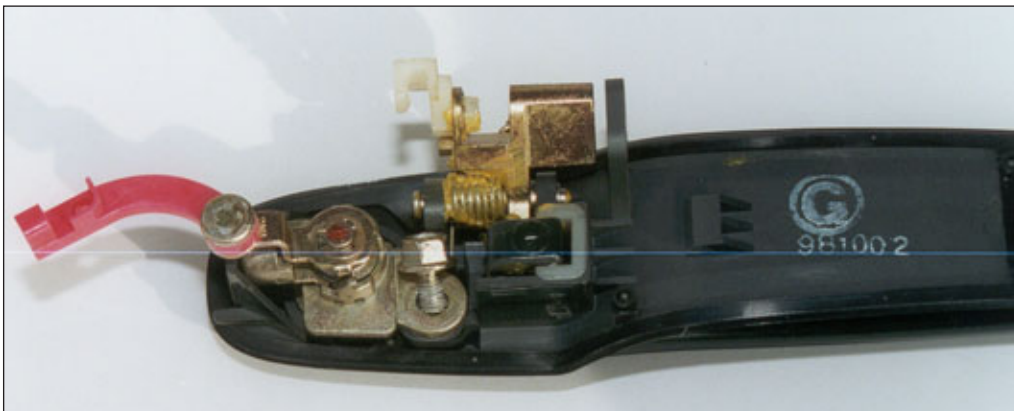
26. On the edge of the door is a plastic access plug. Remove the plug and then you can get a socket wrench in there to unscrew the 10mm bolt holding the rear section of the handle.



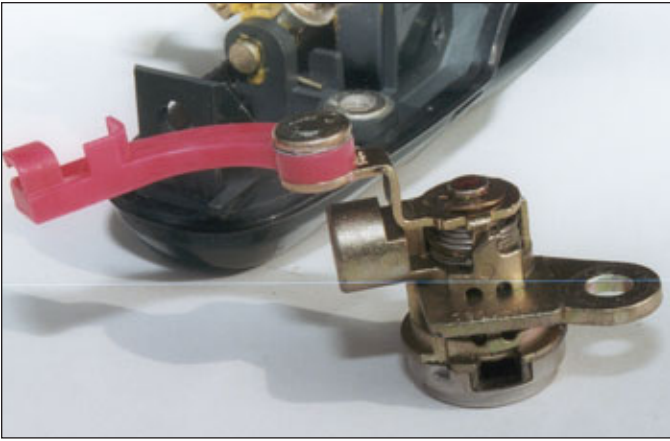
27. Next, remove the 10mm bolt that holds in the front section of the handle, through the opening in the door nook.



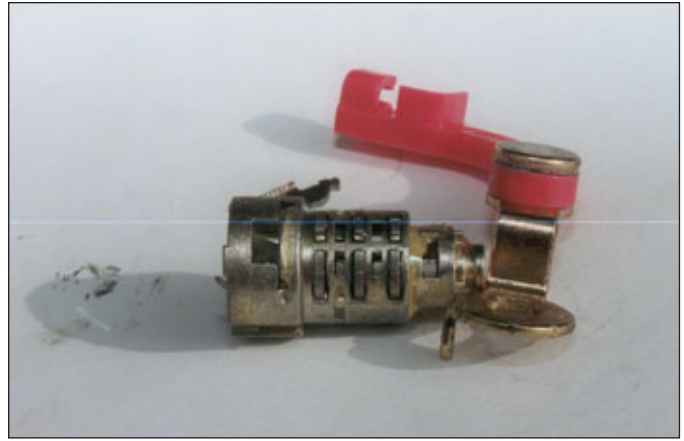
28. Disconnect the linkage rods and tilt the handle out and remove.



29. A 10mm bolt holds in the door lock cylinder.



30. The lock cylinder removed from the handle. There a code stamped on the lock, but the codes are not published.



31. The door lock cylinder comes apart pretty easy. The face cap is reusable. Remove the tailpiece and the cylinder plug will slide right out the front.



32. The door lock cylinder contains 10 tumblers, 5 are left and 5 are right. There are only 3 depths and all tumblers are split tumblers. The door lock contains all the tumblers needed for a complete key.

Hatch



33. The hatch lock cylinder is located above and to the right of the license plate.



34. The rear hatch opens up high giving you plenty of area to work in.

35. Remove the upper plastic trim section. It is held in place by snap-in fasteners.



36. A view of the trim section removed.



37. The hatch cylinder is easy to get to. There are two 10mm bolts securing the lock cylinder to the hatch. Disconnect the linkage rod and remove the 10mm bolts.



38. Use a small ice pick or screwdriver to disconnect the cylinder switch.

AutoSmart Advisor™

Buy it in the online store!
TheNationalLocksmith.com



AutoSmart™ is the most comprehensive and popular automotive locksmith manual in history. Acclaimed expert Michael Hyde again makes history with AutoSmart Advisor™ software! You'll have instant access to information, and best of all...it's amazingly easy to use! You may never need to read the manual.

Contains virtually every car and part known to man up through 2000. Gives all information you need to service the vehicle. Creates instant estimates for all automotive service jobs. Shows available ASP and Strattec part numbers and labor time. Can be user customized with your own service call, labor and tax rates.

Because it's from the creator of AutoSmart™ you get all methods to make the first key, plus:

- ◆ Code series ◆ Key machine set up information ◆ Tumbler chart ◆ Information on ignition retainers, progressioning, airbags, code locations, key silhouettes, transponders, valet keys, all parts and model notes ◆ Make your own user notes.
- ◆ Includes NGS programming instructions

Take a tour online at
www.AutoSmartAdvisor.com

AutoSmart Advisor™ does everything instantly and accurately. Now your computer is the best automotive tool you own!

Installation and System requirements: License is granted to run the software on any two computers you own. Installation on additional computers is available for \$50 each. Requires 486 or better PC with Windows 95 or better and CD drive. 75 megabytes of hard drive space. Installable from 17 diskettes which you can create from the CD. 16 megabytes of ram. Not network compatible.



- ☐ **YES!** Send me the AutoSmart Advisor™ for \$395 (installable on two computers) plus \$5 for shipping and handling. Orders must be paid in U.S. funds.

- ☐ Send me _____ additional licenses for \$50 each.

- ☐ Send me the 21 day full trial AutoSmart Advisor™ Demo for \$10 (credited toward full version purchase)

Select payment Method:

- ☐ VISA ☐ MasterCard ☐ Discover
☐ American Express ☐ Money Order ☐ Check

Order Total _____

Card Number _____ Exp. Date _____

Signature (required) _____

Name _____

Shop Name _____

Address (no P.O. boxes) _____

City _____ State _____ Zip _____

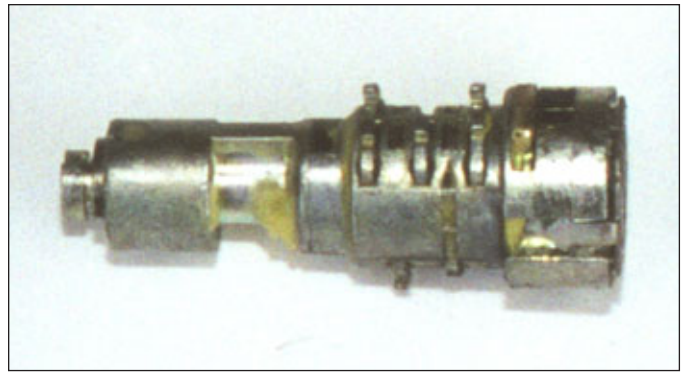
Phone _____

E-Mail (optional) _____

Copy or clip this coupon and send with payment to:
The National Locksmith • P.O. Box 77-97592 • Chicago, Illinois 60678-7592



39. On the rear of the lock cylinder is a security keeper. Drill a 7/64" hole on the side of the keeper housing and pry it out.



40. The hatch lock cylinder contains 10 tumblers, 5 are left and 5 are right. There are only 3 depths and all tumblers are split tumblers. The hatch lock contains all the tumblers needed for a complete key.



41. The hatch lock cylinder comes apart pretty easy. The face cap is reusable. Remove the switch connector and tailpiece and the cylinder plug will slide right out the front.

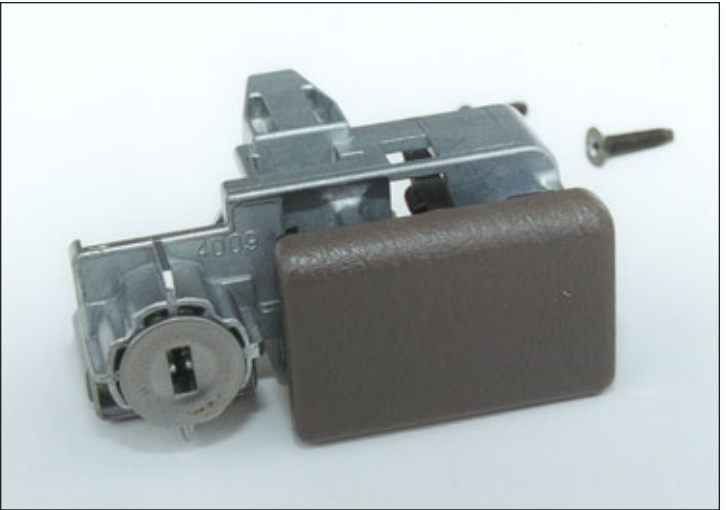
Glovebox



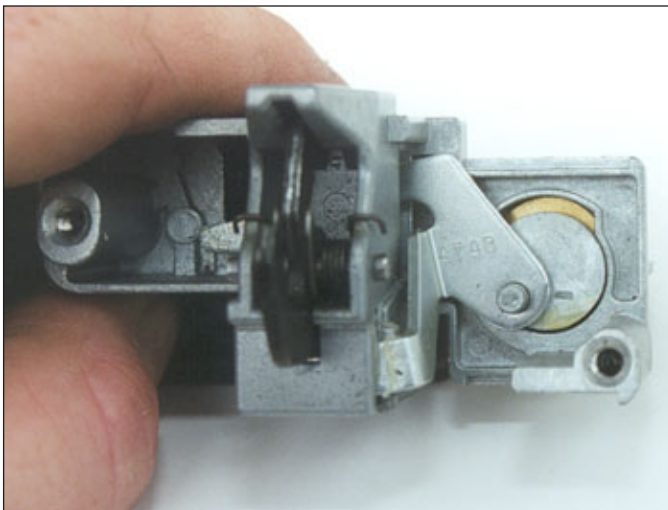
42. The RX300 has a glove box lock mounted in the glove box door.



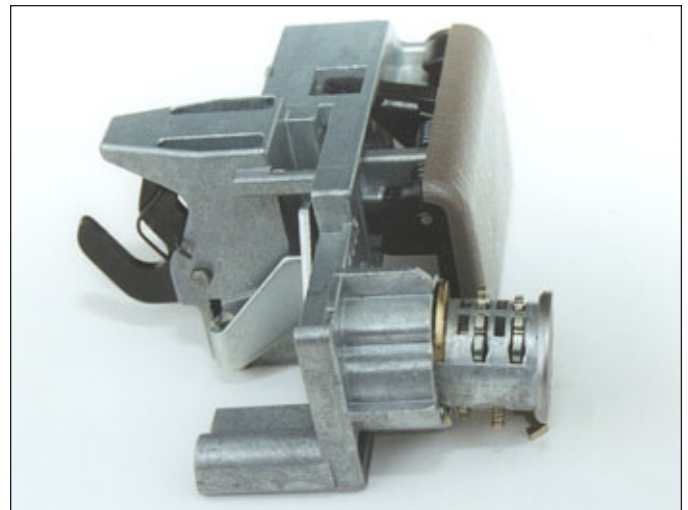
43. The glove box lock can be detached by removing the 2 screws on the inside of the door.



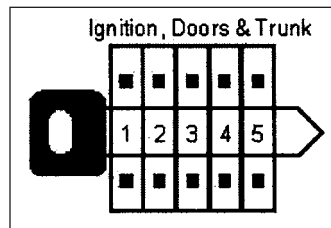
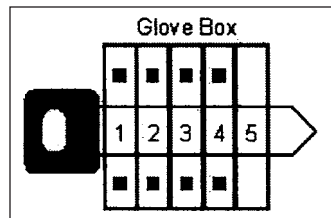
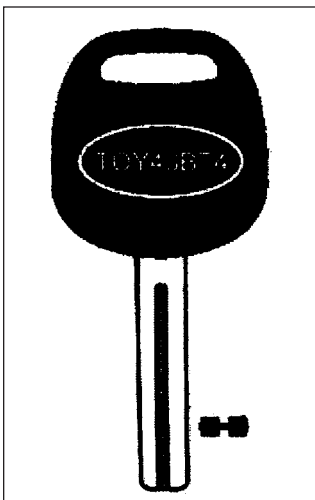
44. The square plastic trim cover has to be unsnapped from the face of the glove box lock assembly, exposing the cylinder plug.



45. On the rear of the lock cylinder plug is the spring retainer.



46. Depress the retainer and slide out the cylinder plug. The plug contains 8 tumblers, 4 right and 4 left in positions 2 through 5.



MAKING FIRST KEY:

Remove the hatch lock and disassemble the cylinder. Decode the cylinder to get all the cuts for a complete key.

Use Space & Depth Guide keys to generate first key.

Replace ECM and program new key.

Key Usage: All

Spacing: Left Track

Depths

Model Info: High Security Keyway & Transponder System

Bow	Spacing										Tip
1	2	3	4	5	6	7	8	9	10	11	Cut-to-Cut
0.606	0.512	0.417	0.323	0.228							Varies

Code Series: 40,000-50,000

HPC1200CM: N/A

ITL Mfgr: N/A

M.A.C.S.: 2

Pak-a-Punch: N/A

Clipper Cam: N/A

Carriage: N/A

1	0.118
2	
3	0.071
4	
5	0.027
6	
7	
8	
9	

Key Blanks

Mfgr	Model Number(s)
Ilco	TOY48BT4
Ilco EZ	TOY48BT4
Silca	TOY48BT4

Key Usage: All

Spacing: Right Track

Depths

Model Info: High Security Keyway & Transponder System

Bow	Spacing										Tip
1	2	3	4	5	6	7	8	9	10	11	Cut-to-Cut
0.606	0.512	0.417	0.323	0.228							Varies

Code Series: 40,000-50,000

HPC1200CM: N/A

ITL Mfgr: N/A

M.A.C.S.: 2

Pak-a-Punch: N/A

Clipper Cam: N/A

Carriage: N/A

1	0.118
2	
3	0.071
4	
5	0.027
6	
7	
8	
9	

Key Blanks

Mfgr	Model Number(s)
Ilco	TOY48BT4
Ilco EZ	TOY48BT4
Silca	TOY48BT4

NLAA

NLAA
1533 Burgundy Parkway
Streamwood, Illinois 60107

BULK RATE
U.S. POSTAGE
PAID
DAYTONA BEACH, FL
PERMIT NO. 447